

IN THE SPECIFICATION:

Please replace the abstract with the following amended paragraph:

A flame detection apparatus has a focused array based sensor which is responsive to radiation having a predefined wavelength for generating an image of the infrared radiation emitted within a monitored region, and means for measuring the spectral ratio of the intensity of radiation having a first wavelength emitted within the monitored region to the intensity of radiation having a second wavelength emitted within the monitored region. Processing means ~~analyses~~ analyzes the output of the focused array based sensor and the spectral ~~ratio~~ ratio measuring means for responses indicative of the presence of a flame within the monitored region.